

MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

PROJECT DESCRIPTION

I. GENERAL

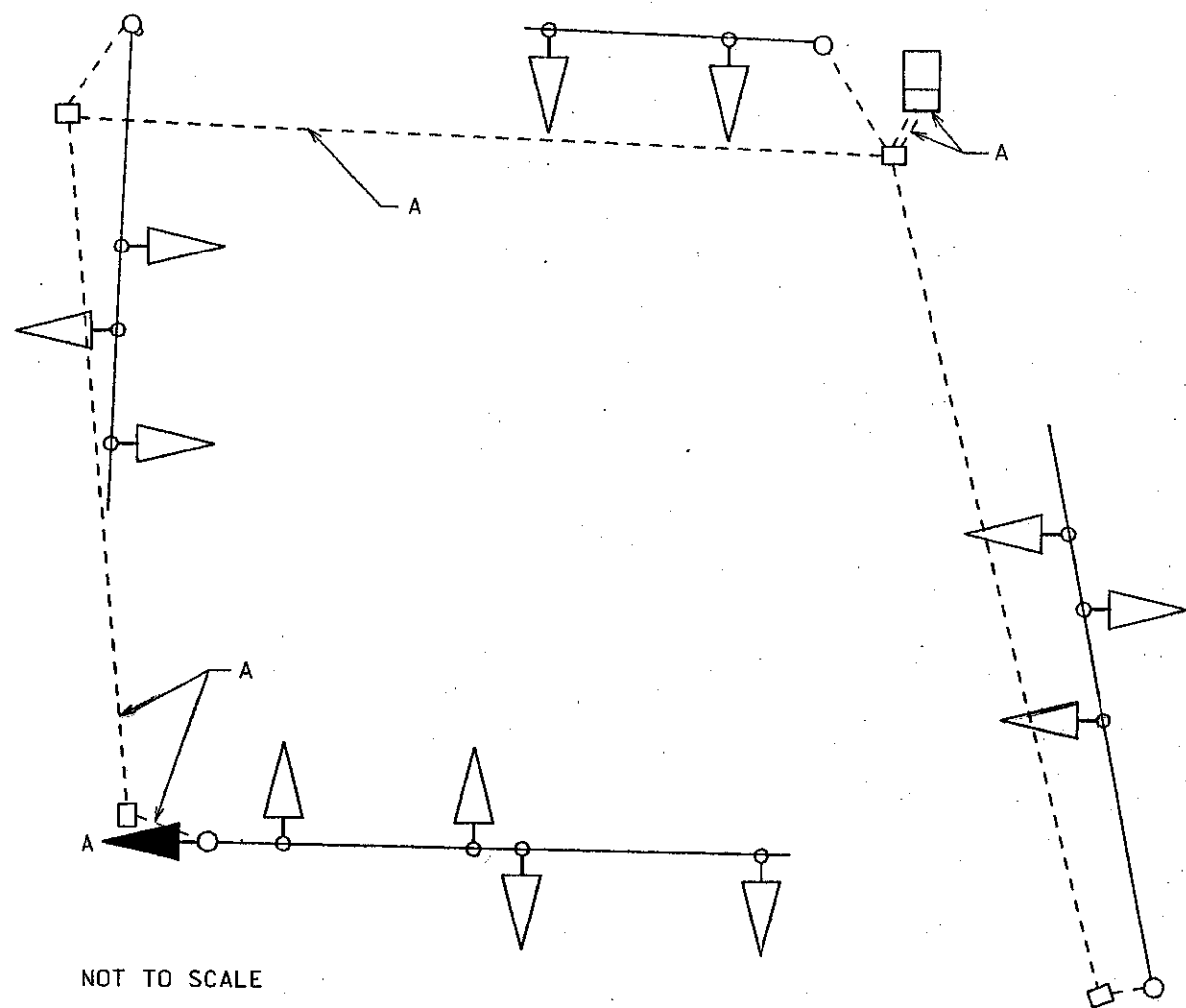
THIS PROJECT INVOLVES ADDING A 3 SECTION SIGNAL HEAD (RA,YA,GA) AND W11-2A SIGN WITH A M6-7(R) SIGN (REVERSED) TO THE EXISTING N/W SIGNAL POLE FOR SOUTHBOUND TRAFFIC MAKING A RIGHT TURN INTO THE SOUTH ENTRANCE TO THE M.T.A. PARK AND RIDE AT THE INTERSECTION OF MD 648 AND THE SOUTH ENTRANCE TO CROMWELL FIELD SHOPPING CENTER/ M.T.A. PARK AND RIDE IN ANNE ARUNDEL COUNTY. MD 648 RUNS IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE EXISTING TRAFFIC SIGNAL IS EQUIPPED WITH AN EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. IT WILL OPERATE IN A NEMA SIX (6) PHASE FULLY TRAFFIC ACTUATED MODE WITH NORTHBOUND AND SOUTHBOUND APPROACHES OPERATING CONCURRENTLY WITH NORTHBOUND/ SOUTHBOUND EXCLUSIVE/ PERMISSIVE LEFT TURN PHASES. THE EASTBOUND/ WESTBOUND APPROACHES WILL OPERATE CONCURRENTLY WITH A EASTBOUND CLEARANCE PHASE. THERE IS A LIGHT RAIL PRE-EMPTION PHASE TO AVOID CONFLICTS ON THE WEST LEG.

WIRING DIAGRAM

A = 7-CONDUCTOR CABLE (NO. 14 AWG)



EQUIPMENT LISTS

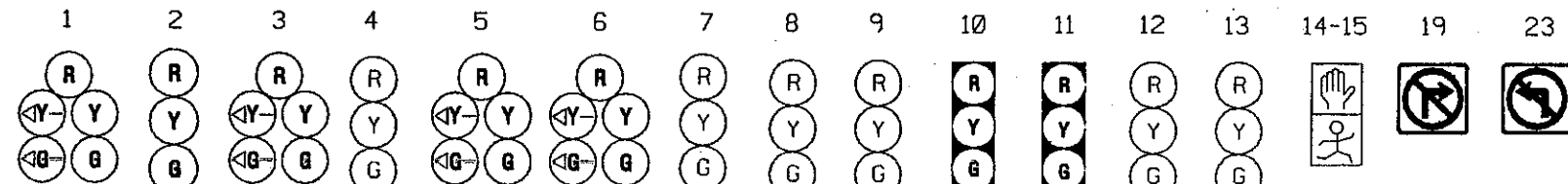
A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	8.4 S.F.	1 EACH W11A-2 SIGN, 30" x 30", M6-7(R) SIGN, 21" x 15", POLE MOUNTED HARDWARE
	3 EACH	12" VEHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE SHA SIGNAL SHOP

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	250 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)
8002	8.4 S.F.	INSTALL OVERHEAD SIGN
8003	3 EACH	INSTALL SIGNAL HEAD SECTION

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14-15	19	23	
PHASE 1 & 5	◀G-R	R	◀G-R	R	◀G-R	◀G-R	R	R	R	R	R	R	R	DW	DARK	DARK	↑
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6																↓
PHASE 1 & 6	R	R	R	R	◀G-G	◀G-G	G	R	R	R	R	R	R	DW	DARK	DARK	↑
1 CHANGE	R	R	R	R	◀Y-G	◀Y-G	G	R	R	R	R	R	R	DW	DARK	DARK	↑
PHASE 2 & 5	◀G-G	G	◀G-G	G	R	R	R	R	R	R	R	R	R	DW	DARK	DARK	↑
5 CHANGE	◀Y-G	G	◀Y-G	G	R	R	R	R	R	R	R	R	R	DW	DARK	DARK	↑
PHASE 2 & 6	G	G	G	G	G	G	G	R	R	R	R	R	R	DW	DARK	DARK	↑
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DARK	DARK	↑
PHASE 4 & 8	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DARK	DARK	↑
4 & 8 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DARK	DARK	↑
PHASE 4 CLEARANCE	R	R	R	R	R	R	R	R	R	G	G	R	R	DW	DARK	DARK	↑
4 CLEARANCE CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	R	R	DW	DARK	DARK	↑
PHASE 4 & 8 ALT.	R	R	R	R	R	R	R	G	G	G	G	G	G	WK	DARK	DARK	↑
PED. CLEAR	R	R	R	R	R	R	R	G	G	G	G	G	G	FL/DW	DARK	DARK	↑
PHASE 4 & 8 ALT. CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DARK	DARK	↑
LIGHTRAIL HOLD	G	R	G	G	G	G	G	R	R	R	R	R	R	DW	⊗	⊗	↑
LIGHTRAIL HOLD CHANGE	Y	R	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	⊗	⊗	↑
FLASHING	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DW	⊗	⊗	↑
OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DW	⊗	⊗	↑

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

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SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 648 and the SOUTH ENTRANCE TO CROMWELL
FIELD SHOPPING CENTER/ M.T.A. PARK AND RIDE
GLEN BURNIE, MARYLAND

DRAWN BY: <i>William Mabe</i>	F.A.P. NO.	T.S. NO.	SHEET NO.
CHECKED BY:	S.H.A. NO. SF-SIGNAL	TS-2279	
SCALE: AS NOTED	COUNTY: ANNE ARUNDEL	T.I.M.S. NO.	2 OF 2
DATE: 04/2005	LOG MILE: 02E64804.00	G982	